

**REMARKS**

Claims 1, 8 and 16 are amended herein. New claim 25 is added. Claims 1, 3-8, 10 and 16-25 are pending and under consideration.

The rejections based on Shimizu are now discussed. Independent claim 1 (used as an example herein) recites wherein the core has a length in an axial direction of the compressor *shorter* than one half of the length in the axial direction of the first sensor coil and the second sensor coil in series. In contrast, Shimizu teaches that the length of each of the coils A1/A2 is substantially *equal* to the ring 21b.

The remaining references do not overcome these deficiencies.

New claim 25 recites the first and second sensor coils each comprise a single coil. This new claim is patentable over the cited references at least due to its dependency from claim 1.

For at least the reasons above, it is respectfully submitted that the rejection is overcome.

**Provisional Rejections for Obviousness-Type Double Patenting**

The Applicant acknowledges with appreciation the Examiner's indication that the double patenting rejections will "be held in abeyance until the instant application is otherwise in a condition for allowance and noted and respectfully accepted" (page 16, of the Office Action).

**Summary**

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

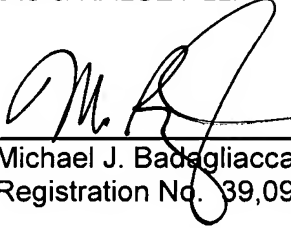
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

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By:   
Michael J. Badaghiacca  
Registration No. 39,099

1201 New York Avenue, NW, 7th Floor  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501